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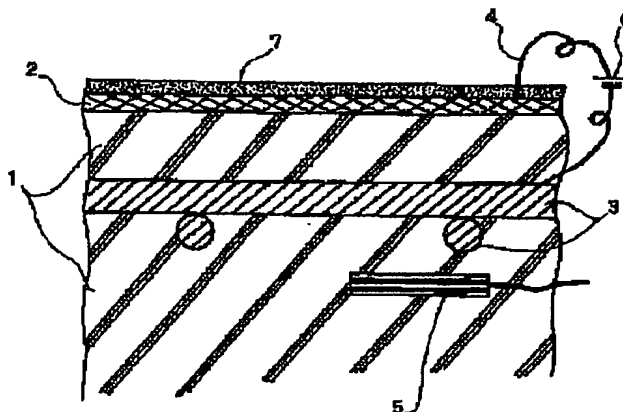
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TITLE : ANTI-CORROSION METHOD OF
REINFORCEMENT IN REINFORCED
CONCRETE



ABSTRACT : PROBLEM TO BE SOLVED: To prevent the corrosion of reinforcing bars with electric current flowing in sequence such as flame spray film - concrete - reinforcement - conductor - flame spray film by flame spraying metals to the surfaces of reinforced concretes to form the film, and electrically connecting this film and reinforcing bars with the conductor to generate electromotive force for battery operation.

SOLUTION: Flame spray materials such as zinc, aluminum, titanium, etc., are scattered as melt particles on the surfaces of reinforced concretes 1 by a flame spray gun, and the melt particles are sprayed on the concretes 1 to form a flame spray film 2. The flame spray film 2 is electrically connected to reinforcing bars 3 with a conductor 4, and the concretes 1 are made as electrolyte to constitute a battery making the flame spray film 2 and reinforcing bars 3 as both poles. Then, a direct current flows along the suggested route of flame spray film 2 - concretes 1 - reinforcing bars - conductor - flame spray film with electromotive force generated by battery operation, and a resin coating layer 7 is formed in the surface of the flame spray film 2. Accordingly, the corrosion of the reinforcing bars in the reinforced concretes can be prevented.

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